



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

RECEIVED

August 14, 2003

AUG 18 2003

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Sapphire State #5
990' FNL & 490' FEL
Sec. 2, T23S, R36E
Eddy County, New Mexico
Lea

Unit A
30-025-36309

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
320'	3/4°	2281'	1 1/2°
463'	1/2°	2560'	1 3/4°
712'	1°	2803'	1 3/4°
833'	1°	2865'	1 3/4°
1076'	3/4°	3182'	1°
1328'	3/4°	3488'	1/2°
1579'	1°	3635'	3/4°
1940'	3/4°		

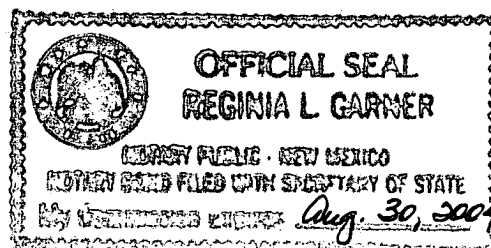
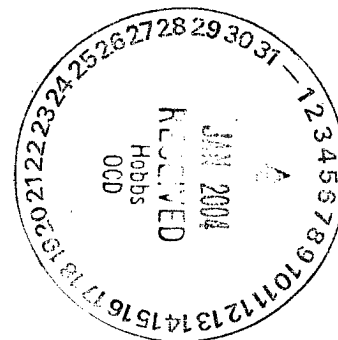
Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY

The foregoing was acknowledged before me
this 14th day of August, 2003.

Regina L. Garner
Notary Public



03-1227

Serving Southeast New Mexico and West Texas Since 1974